

All gene-specific forward and reverse primers were designed with compatible melting temperatures to facilitate their amplification.--

Please replace the current paragraph located on page 50, lines 3-7, with the following replacement paragraph:

--ID-8 (17)

Forward Primer

5'-cgggatccgccaccatgACCACTTCTCAAGCTGTTTTAGC-3' (SEQ ID NO:153)

Reverse Primer

5'-ttgcggccgcACGATTATCAACAAAGTTCTG-3' (SEQ ID NO:154)--

Please replace the current paragraph located on page 50, lines 9-13, with the following replacement paragraph:

--ID-9 (18)

Forward Primer

5'-cggatccgccaccatgGCTACTCATATTGGAAGTTACCAGC-3' (SEQ ID NO:155)

Reverse Primer

5'-ttgcggccgcAGGGTTTATTTGTTGAAGTGTCTTG-3' (SEQ ID NO:156)--

Please replace the current paragraph located on page 50, lines 15-19, with the following replacement paragraph:

--ID-10 (22)

Forward Primer

5'-cggatccgccaccatgTATCTATATCATTTACCAATGCCC-3' (SEQ ID NO:157)

Reverse Primer

5'-ttgcggccgcTTTATGTATAGAAACAGCAGTCCC-3' (SEQ ID NO:158)--

Please replace the current paragraph located on page 50, lines 21-25, with the following replacement paragraph:

--ID-13 (28)

Forward Primer

5'-cggatccgccaccatgAAAGGAAGAACAACCTATTCGTTTAG-3' (SEQ ID NO:159)

Reverse Primer

5'-ttgcggccgcAAGAGCAAATTTTCGTATCTCCTC-3' (SEQ ID NO:160)--

Please replace the current paragraph located on page 50, lines 27-31, with the following replacement paragraph:

--ID-15 (32)

Forward Primer

5'-cggatccgccaccATGATTGTTGGACACGGAATTG-3' (SEQ ID NO:161)

Reverse Primer

5'-ttgcggccgcTTTTTCTTCCTCCAAAATAACACTAGC-3' (SEQ ID NO:162)--

Please replace the current paragraph located on page 50, lines 33, extending to page 51, line 3, with the following replacement paragraph:

--ID-17 (39)

Forward Primer

5'-cggatccgccaccatgGCGACTAAAGAGTTAGGTGTTAG-3' (SEQ ID NO:163)

Reverse Primer

5'-ttgcggccgcTATAGTTTTAGTTTCAACTTGTCTAGATG-3' (SEQ ID NO:164)--

Please replace the current paragraph located on page 51, lines 5-9, with the following replacement paragraph:

--ID-25 (20)

Forward Primer

5'-cgggatccaccatgTATACGAGTTTACAACCAAATCATG-3' (SEQ ID NO:165)

Reverse Primer

5'-ttgcggccgcGTCAGCTCGTACTGTTTTTTTAGC-3' (SEQ ID NO:166)--

Please replace the current paragraph located on page 51, lines 11-15, with the following replacement paragraph:

--ID-37 (51)

Forward Primer

5'-cggatccgccaccatgTGTCAAATGAATAGTGAACATAAAAG-3' (SEQ ID NO:167)

Reverse Primer

5'-ttgcggccgcCTCAAATAATTTACCTCCAATTTCG-3' (SEQ ID NO:168)--

Please replace the current paragraph located on page 51, lines 17-21, with the following replacement paragraph:

--ID-40 (51)

Forward Primer

5'-cggatccgccaccatgGCTCCATTCGAATTTAAAGATTC-3' (SEQ ID NO:169)

Reverse Primer

5'-ttgcggccgcTGATTTACCAGTTTGGGAAGAGTTC-3' (SEQ ID NO:170)--

Please replace the current paragraph located on page 51, lines 23-27, with the following replacement paragraph:

--ID-42 (70)

Forward Primer

5'-cggatccgccaccATGAATACTATTTATAATACATTGAGAACAG-3' (SEQ ID NO:171)

Reverse Primer

5'-ttgcggccgcTTCTTTGTTCCAACCTTCTGG-3' (SEQ ID NO:172)--

Please replace the current paragraph located on page 51, lines 29-33, with the following replacement paragraph:

--ID-47 (86)

Forward Primer

5'-cggatccgccaccATGATAGAGTGGATTCAAACACATTTAC-3' (SEQ ID NO:173)

Reverse Primer

5'-ttgcggccgcTTTATGACTCAAGCGACGTGTTA-3' (SEQ ID NO:174)--

Please replace the current paragraph located on page 52, lines 1-5, with the following replacement paragraph:

--ID-48 94

Forward Primer

5'-cggatccgccaccATGGAGTTAGTAATTAGAGATATTCGTAAG-3' (SEQ ID NO:175)

Reverse Primer

5'-ttgcggccgcCTTGTCATATTCATCTCCCTTCAAC-3' (SEQ ID NO:176)--

Please replace the current paragraph located on page 52, lines 7-11, with the following replacement paragraph:

--ID-67 (3-40)

Forward Primer

5'-cggatccgccaccatgGCTAGTTTTGTCATGAATCATAATGAC-3' (SEQ ID NO:177)

Reverse Primer

5'-ttgcggccgcGTTATTTGCTCGTTGTTTAGCTAAATC-3' (SEQ ID NO:178)--

Please replace the current paragraph located on page 52, lines 13-17, with the following replacement paragraph:

--ID-68 (3-30)

Forward Primer

5'-cggatccgccaccatgGCTCTTAGTTTTTTTATGGTTTCAGTTCAAGC-3' (SEQ ID NO:179)

Reverse Primer

5'-ttgcggccgcGAAGGCACCGCCACCTCC-3' (SEQ ID NO:180)--

Please replace the current paragraph located on page 52, lines 19-23, with the following replacement paragraph:

--ID-69 (3-38)

Forward Primer

5'-cggatccgccaccatgGGTGAAACCCAAGATACCAATCAAGC-3' (SEQ ID NO:181)

Reverse Primer

5'-ttgcggccgcAACACCTGGTGGGCGTTTGG-3' (SEQ ID NO:182)--

Please replace the current paragraph located on page 52, lines 25-29, with the following replacement paragraph:

--ID-70 (141)

Forward Primer

5'-cggatccgccaccATGGCTGGGAATCGTAATAACG-3' (SEQ ID NO:183)

Reverse Primer

5'-ttgcggccgcAGCCGTCTCTAAAACAGGCTTG-3' (SEQ ID NO:184)--

Please replace the current paragraph located on page 52, line 31, extending to page 53, line 1, with the following replacement paragraph:

--ID-71 (3-20)

Forward Primer

5'-cggatccgccaccatgCTTCCAACGCAGCCGCAAAAC-3' (SEQ ID NO:185)

Reverse Primer

5'-ttgcggccgcATTTAGTGTTATTTCTCCTGTTGCATAATCC-3' (SEQ ID NO:186)--

Please replace the current paragraph located on page 53, lines 3-7, with the following replacement paragraph:

--ID-72 (13)

Forward Primer

5'-cgggatccaccatgTACACGCATATTGTTGAAAAAAG-3' (SEQ ID NO:187)

Reverse Primer

5'-ttgcggccgcAAATAATTTCTTTTGGTTGTTTG-3' (SEQ ID NO:188)--

Please replace the current paragraph located on page 53, lines 9-13, with the following replacement paragraph:

--ID-73 (2-19)

Forward Primer

5'-cggatccgccaccatgAGTAATCAAGAAGTTTCAGCAAGC-3' (SEQ ID NO:189)

Reverse Primer

5'-ttgcggccgcCCATTGTGGAATATCAGCTGAAG-3' (SEQ ID NO:190)--

Please replace the current paragraph located on page 53, lines 15-20, with the following replacement paragraph:

--ID-74 (3-6)

Forward Primer

5'-cggatccgccaccatgGTGCAGGCAGTGGTACCGCT-3' (SEQ ID NO:191)

Reverse Primer

5'-ttgcggccgcGCGCATTGTAACAAATTCCTCAG-3' (SEQ ID NO:192)--

Please replace the current paragraph located on page 53, lines 22-26, with the following replacement paragraph:

--ID-75 (3-51)

Forward Primer

5'-cgggatccaccatgGCTGCCGAGAAGGATAAAG-3' (SEQ ID NO:193)

Reverse Primer

5'-ttgcggccgcATTATTTAGCTGCTTTTTTAATGG-3' (SEQ ID NO:194)--

Please replace the current paragraph located on page 53, lines 28-32, with the following replacement paragraph:

--ID-76 (3-56)

Forward Primer

5'-cgggatccaccatgTGTCAGGTTGTTTATGCAAGTTTTC-3' (SEQ ID NO:195)

Reverse Primer

5'-ttgcggccgcTTTACTAATTGATAAAGAGCAACTTCG-3' (SEQ ID NO:196)--

Please replace the current paragraph located on page 53, line 34, extending to page 54, line 4, with the following replacement paragraph:

--rib (control)

Forward Primer

5'-ggggtaccggccaccATGGCTGAAGTAATTCAGGAAGT-3' (SEQ ID NO:197)

Reverse Primer

5'-cggaattccgTTAATCCTCTTTTTTTCTTAGAAACAGAT-3' (SEQ ID NO:198)--

Please replace the current paragraph located on page 56, lines 3-7, with the following replacement paragraph:

--ID-1 (4)

forward primer

5'-atggaaaaaataacttgaaaaaattac-3' (SEQ ID NO:201)

reverse primer

5'-ctattttgttttagcgatgtctttatc-3' (SEQ ID NO:202)--

Please replace the current paragraph located on page 56, lines 9-13, with the following replacement paragraph:

--ID-2 (5)

forward primer

5'-atgtcaaaacaaaaagtaacggcaac-3' (SEQ ID NO:203)

reverse primer

5'-ttatttatggccaataccataagttaattg-3' (SEQ ID NO:204)--

Please replace the current paragraph located on page 56, lines 15-19, with the following replacement paragraph:

--ID-6 (9)

forward primer

5'-atgaaaaagttttttctcatggctatg-3' (SEQ ID NO:205)

reverse primer

5'-ttacttcaactgttgatagagcacttcc-3' (SEQ ID NO:206)--

Please replace the current paragraph located on page 56, lines 21-25, with the following replacement paragraph:

--ID-7 (15)

forward primer

5'-ttgttcaattttataggttttagaacttgg-3' (SEQ ID NO:207)

reverse primer

5'-ttaattttcattgcgtctcaaacc-3' (SEQ ID NO:208)--

Please replace the current paragraph located on page 56, lines 27-31, with the following replacement paragraph:

--ID-8 (17)

forward primer

5'-atgacaaaaaacttattattgctatattag-3' (SEQ ID NO:209)

reverse primer

5'-ttaacgattatcaacaaagtctgtac-3' (SEQ ID NO:210)--

Please replace the current paragraph located on page 56, line 33, extending to page 57, line 3, with the following replacement paragraph:

--ID-10 (22)